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Journal of cases in W. Beaumont's medical practice,
including earliest descriptions of the wounding of
St. Martin, recorded at Fort Mackinac, MI.
November 18, 1822–January 12, 1825

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1822 Nov: 18 James Randall, a Soldier in the U. S. Army

A. 3.

Stationed at Ft. Mackinac M. I. was walking
past upon the platform, over the front gate of
the Garrison, in a very dark night, & making a misstep
fell from the platform, down upon the pavement, & in view
of the Gate & fractured his left thigh, about midway between
the Condyles & trochanters - fractured the left radius, just
above the wrist - fractured the skull over the left eye,
depressing, & ~~rather breaking in~~, nearly the whole of the anterior
portion of the frontal sinus -

besides severely contusing his whole body & limbs -

He was brought into the Hosp: about 4 P.M. in
the morning - suffering great pain - sickness at the stomach
& frequent ~~nausea~~ ^{retchings} - small intermitting pulse - cold extremities

After reducing & dressing the fractures, & placing him
as comfortable as practicable in a bunk, gave him a small
opium pill the size of a common duck shot, to soothe his
pain & left him for 2 or 3 hours, to prepare a proper apparatus
for securing the fractured limbs -

He continued quite easy through the day, untill
about 6 in the evening, when he complained of pain in
his head - & some high inflammatory action seemed commencing
in the fractures - his pulse, however, continued, feeble
& much depressed - became quite changed in ~~his condition~~,
accompanied with violent twittings in the fractured limbs
& universal subcutaneous tenderness - & coldness of the extremities
& the surface generally - great nausea & retchings -

From these last set of symptoms, I was apprehensive
of bad consequences from concussion & injury done the
brain - judging from his plethoric habit & previous health
that the general depression of his system, & mental derange-
ment, might be relieved by letting blood, I opened a
vein & took about 12 ozs - it relieved the pain in
his head, has produced syncope & vomiting, but soon
relieved the depression of his pulse & increased arterial
action - relieved also the clivium & subcutaneous -

It was about 8 in the evening that I bled him
at the sacra - then I prepared an infusion of valerian root
& nutmeg, with the addition of a little camphorated
spirit & directed it to be given him, every 2 hours,
a table spoonful at a time - it was given him

as directed - he slept little through the night, but
felt much easier in the morning - ~~19th treatment of~~
19th - Twitching of the tendons subsided - delirium left
him - inflammation increasing in the fracture - passed his
urine to day - no passage from his bowels - Continue the
Valerian 20 - & continue giving in moderate quantities
a gentle infusion of Salt, China &c - apply to the limb
as is written - an infusion of worm wood, vinegar &
Salt - Am - Pains badly this evening - otherwise quite
Comfortable -

20th Rested very well through the fore part of
last night - slept several hours, refreshingly -
pains increased after 12 o'clock night, in the
fracture & through the abdomen - gave a
wine glassful of Cath. Infusion every half
hour, ~~early in the morning - from 4. to 7. O'clock~~
A.M, which with the assistance of an
Emema of the same promoted a free
passage from his bowels - inflammation
moderately increasing in the wounded parts -

21st - Rested very well last night - continues
comfortable through the day - pain, swelling, &
inflammation, left considerable - continue the
same treatment

22 All in good condition, rather
more pain than yesterday - in consequence
of getting the limb a little out of that
proper position - continue same
treatment - had a motion from his bowels

23 - Rested but little last night,
limb quite painful all night -
some twitching of the muscles of
the thigh - Reminded all the dressing
& apparatus this morning & re applied
them this forenoon - gave him great
pain but was easier after it -

24 Rested well last night, quite free
from pain - limb in good condition -
swelling & inflammation subsiding

Sunday	24	Reste will - little pain - 15	Moves the foot 5	Some Stiffness of
Sunday	24	limbs in good condition + leg + muscles of the knee joint		
Sunday	24	Swelling & inflammation, left	the thigh without pain to which a	
Monday	25	much as yesterday - 16	No pain - no Sw - 6	blister was applied
		wound of the head, healed by the first intention -	ally - no inflammation & gave relief	
Tuesday	26	keep the limbs wet with 17	Rotates the whole 2	The leg below the
		Camp: vinegar & whiskey - limb without pain since a little		oedematous.
		gave a cath. last evening - operated kindly -		
Wednesday	27	Treatment continued - 18	Continue the camp 3	apply the volatile
		Slept well last night -	ruption of urine sweet	Liniment. &
		little or no pain today		
Thursday	28	More pain than usual 19	But a very small 2	Cut the limb
		a little purish -	Callous to the fist at	bandaged it
		gave a cath. this evening -	the fracture	
Friday	29	Reste but little - 20	Little thickening of	whole length
		thigh & knee painful -	the cellular around it	change daily
		lights up of belly		
Saturday	30	Cath. Inflow of urine - 21	Moves the limb	Thigh as it ought
		gave relief - quite	will ease -	to the knee a little
		free from pain; evening		swollen & not entirely
Sunday Dec: 1		Slept very well - limbs easy - 22	Remov'd all the	free in its motions
		- an appearance of extravasated fluids around the patella -	drainings & apparatus.	
		dropped & changed his position 10	Set him in a chair	
Monday	2	Applied a blister to the knee - 23	the perfectly united,	13
		draw well & eased the pain -	rigid & firm - the muscles	
		free from pain today	flexion sound & pliable	
Tuesday	3	as yesterday, excepting a 24	Sat in his chair,	14
		slight pain near the ankle	half the day. the	
		- wound of the head completely	muscles of the foot	
Wednesday	4	Blister reduced the pain to 25	thigh, rapidly re -	15
		of the knee - free from -	gaining their strength	
		pain, all in good condition	& motion -	
Thursday	5	Unwilling of thigh & arm 26	stood erect, with	16
		entirely subsided - no pain	leg down beside	walks about
		- no inflammation - mobility	the other - equal	on crutches -
		without pain - by little oedema		
Friday	6	Do Do 27	in length, straight	17
		The fracture of the radius	2 true - bears a little	bears considerable
		united - uses his hand	weight upon it -	all weight upon the limb
Saturday	7	The same 28	Do	18
Sunday	8	Changed his position - 29	Do	19
		gave him considerable		
		pain, all day - better been		
		at alone		
Monday	9	Took off the apparatus again - 30	Do	20
		today - & he was in constant		
		pain till I reapplied		
		it today - when it became		
		easy again as before		
Tuesday	10	Continues easy & 31	Do	21
		quiet to day		
Wednesday	11	No pain or 31	Jan: 1 - 1823 -	22
		uneasiness to day	Do	
Thursday	12	Do Do 2	Got a little mummy last	23
			evening, on brandy, wound	
			about the thigh, & produced	
			considerable pain &	
Friday	13	Do Do 3	inflammation, for	24
			several days - no	
			essential injury, felt	
			down however -	
Saturday	14	Do Do 4	Leg continues to	25
			gain strength	walks without
				assistance from
				sticks - Leg straight

1823 Feb 16 James Sheridan. a private Soldier. of (I) Comp^y
2^d Regt U S Artillery. who deserted from
the Post of Ellac Kinae. on the 8th of Feb^y
to attempt to cross the ice to Drummonds Island
(N. E.) a distance of about 35 miles, but not
being acquainted with the way, got lost. &
wandered about for 7 days, without either
food, drink, fire or bed clothes - the Therm[°]
ranging between 20° above & 14° below Zero.
during the greater part of the time - was overtaken
& brought back to the Garrison, on the 16th Inst.
so universally chilled & frozen, as nearly to
extinguish life - his left foot & ankle, was frozen
solid as for 2 or 3 inches above the ankle joint
all the toes & bottom of the foot & heel of the
right, ~~was also frozen solid~~ & all the
fingers & thumbs of both hands, were also
frozen solid, - both his ears - nose - the whole
surface of the face & eye-lids were also frosted
severely - The whole surface of the body &
limbs were so chilled & debilitated, that the
capillary vessels were distended with red blood
He was brought into the Hosp^l about
4 O'clk P.M. on the 16th - was kept in a
dense atmosphere gradually ~~increasing~~ ^{rising}
with his feet immersed in ice-cold water, &
his hands continually rubbed with snow, by
assistants, - from 4 P.M. until 2 O'clk the
next morning before his feet became thawed
so as to be able to get off his stockings. -
his hands became limber in about 5 or 6 hours
so as to be very painful - his stomach & bowels
being completely vacant - were gradually
replenished with light fluid diet. for several
days - during which time the action of his system
became gradually increased, with very little pain
until about the 5th or 6th day, when the common
Symptoms of a low nervous fever commenced, &
continued to increase with alarming violence
for about 8 days, when contrary to every body's
expectation, they began to subside - Suppuration
commenced between the dead & living flesh

of the frosty parts, I began again to take food
& nourishment, to salutary purpose - during the time
of his fever, his hands & feet became mortified &
very febrile - to which were constantly applied,
either, a strong solution of the Camphorated muri-
ate of ammonia & vinegar, or the carbonated
fermenting poultice - he took at the same time
internally, the Camphorated aq. Am. Acetate,
very freely - together with the Muriatic acid
& barley gruel - injections were administered
to keep open his bowels - & universal bleeding and
frictions, over the surface of the body, were constant-
ly kept up -

~~and 8th~~

9th March - His fever having passed its crisis
& his system become a little recruited
I proceeded to remove the dead parts
by first dissecting out the toes of the
right foot, at their articulations, with
the tarsal bones - the next day I
amputated the left foot about
4 inches above the Arch joint -
no unfavorable symptoms immediately
followed the operation - having been
administering the wine & Bitters, for
several days past - so continued, with
nourishing food -

March 8th No unusual symptoms - system more inviolable
than natural - some little increase of fever -

March 9th Continues much the same - Stump quite painful
- continues taking the Muriatic acid, & Spts. cinchonin -

March 10 - Vital action considerably increased in the system
generally - gave Cath^c Infus. of Sals. & promotion of Stool by Enema

March 11 - Less fever & pain in Stump - medicine operated well yesterday
- keep the Stump wet with Camph^d Spts. vinegar & water, & body else

March 12 - Stump painful to day - more fever than yesterday
increase the quantity of Spts. cinchonin - & keep the
body sponged over with vinegar & water -

- 6
 April 13th Expired the Stump - found it in fine condition
 - union by the first intention. entirely across the Stump
- " 14th Dispersed out the fingers of the left hand. at
 this articulation with the Carpal bones - a tedious job
- " 15 Expired the Stump - still in good condition. took
 away one of the Ligatures - quite irritable & nervous
- " 16 Expired Stump - found it more swollen. & quite
 hot & painful - considerable fever & restlessness
- " 17 Expired Stump - found an erysipelatous inflammation
 extending over the end of the Stump. to the knee - great
 tenderness of the flesh & some of the gastrocnemius
 muscles - took away the ~~second~~ ^{small} Ligature - abundant
 discharge followed & pain relief from the pain that
 had distressed him for 24 hours. previous - for as
 create high fever & some alarming nervous symptoms
 - gave him milk injections. of Seltz & Seneca. morning
 & evening. Spts. medicine. every 2 hours - Barley gruel
 & milk diet. with frequent sponging of the whole
 body with vinegar & whiskey -
- " 18 Fever abating. Expired Stump - found it in better
 condition than yesterday - took away the 3^d Ligature
- " 19 Expired Stump - found its condition fast improving
 Expired the last amputated fingers also - found them
 in fine condition - granulations closing over the
 ends of the Stumps - Continue the Spts. medicine &
 administer acid - The Dietary infusion of Cortex
 Canconae. Colombo. & Sigan Guepau, mixed half & half
 with wine. with a free quantity of Seltz Tartar. -
 have been administered in the quantity of half
 a gill every 4 hours since the 9th Inst. & to
 good advantage -
- " 20 Expired all the Stumps - found them in good condition
 - little or no fever or irritation - took away
 the fourth Ligature - appetite becoming good -
- 21st Increase of pain & swelling in the Stumps. high
 fever, & irritation - Expired Stumps - found
 an extensive supuration following the
 interstices of the gastrocnemius muscles -
 nearly to the knee joint. with great
 soreness. discharge purulent & healthy -
 applied graduated compresses & rollers
 from the knee down to end of Stump -

Mar 22

Soreness. Swelling & discharge left. Considerable
injection a weak infusion of Concomar
into the end of Stump. Compressed dress

" 23

Soreness & Swelling Subiding. discharge
thick & purulent - appetite increasing
Continue the Bark, wine. Muriatic Acid
& Spts condensing -

"

24

General health of the patient improving
Granulations healthy - cicatrix forming
upon all the finger Stumps - Condition
of the Leg Stump improving -

Apr 1

Stump of Leg. Sound & well -
Stumps of the fingers of left hand nearly
Sound - all doing well - health &
Strength rapidly improving -

San Andre, a Canadian, about 55 or 60 years of age
on or about the 10th of September 1823, applied
to me for relief in a case of "great swelling
of his belly" as he termed it, which he said had
been coming upon him about two months.

On examining, I found it to be a confirmed
case of Ascites. the abdomen greatly distended
& very tense - the umbilical ring dilated to the
size of a dollar & the water forcing against the
integuments so hard as to protrude at the navel
~~about~~ an inch or more - the water had also forced
through the abdominal ring on the right side,
~~displacing the tunica vaginalis~~
~~nearly of the bottom of the scrotum~~, in form of an
inverted pyramid, as large at the superior position,
as a goose egg when in erect position - but when
lying on his back, it wanted a little more -

A dispaical swelling of his ^{lower extremities} legs & thighs, also
attended him, with his legs & thighs nearly distended to
twice their natural size -

2 The subject had been a strong, robust
man, of plethoric habit, & hard labouring - his
pulse were even now full & strong - his appetite good
& his general health but little impaired -

Under these circumstances, I thought bleeding
indicated in the first place, & consequently, took
from his arm, about 2 1/3 - gave a brisk dose of
Colomel & Jalap. followed on the subsequent days
by small doses of ^{10 pills} ~~Sigill.~~ ^{Comp. of 200 opium, 1/2 gr. col. 1/2 gr. op.} ~~part. anti.~~ ^{directing 2 1/2 in}
warm frictions with bear grease & whiskey over the
abdomen, & a broad bandage to compress the
whole abdominal region - this practice was
followed up for nearly two weeks, to little or
no effect - The tension & tumefaction increased, so
as greatly to obstruct respiration & produce great soreness
of the diaphragm -

On the 12th of September, I performed the operation
of Paracentesis of the abdomen, & drew off 2 1/2 Gallons
of yellow serum, which gave great & momentary relief
- I inserted the common round trochar, through the
rectus muscles, midway between the Pubis & navel, with
perfect ease & safety - the water continued to drip
from the puncture very freely for 4 or 5 days, during which
time he was very easy, free from pain or distress - The previous

J

medical treatment was continued, with the addition of
Tonic, & firm compresses, by the roller, applied uniformly
over the whole abdomen -

After 4 or 5 days the puncture closed, when the
abdomen began again to enlarge, & in 5 or 6 days became
as large & tense as before - On the 20th, I punctured
a second time just below the first place & drew off
 $2\frac{3}{4}$ Gallons, of almost limpid water, which gave him
greater relief than the first - The last operation reduced
the abdomen below its natural size, in which state I
applied the compress & roller, so firmly over the whole
as to prevent but very little distention, & continued the
former punctures, with the addition of a mixture of
Fowler's solution of Arsenic, & the Solution of Muriate of
Mercury. $\bar{a}\bar{a}$ - 10 drops 3 times a day -

21st Patient comfortable & easy - no dripping from the
puncture since the operation - bandage smooth &
uniform as when first applied - no accumulation
of water, as I can perceive - Urinates more freely
than before -

After puncturing & taking off the water the first time
he felt faint & was obliged to take a recumbent
position, he was also affected with the cramp
in his hands, quite severely for some time - afterwards -
but, in the second operation he felt nothing of the
kind & no incommode whatever, excepting the
slight pain of the trocar -

28th The water in the abdomen has been gradually
increasing for several days, & is now again distended
as at the last operation - the foregoing prescrip-
tion has been continued, regularly - The water
in the tunica vaginalis, increases, so as to distend
the scrotum, on the right side to three its
natural size - causing pain from distension.

29th Punctured, with a bleeding lancet, the
Tunica vaginalis, & drew off about 3 qts
of bloody serum -

30th Continued the tuncs, & the Solutions, & the Pills
no benefit to be perceived from these operations;
the abdomen becoming ~~fully~~ distended than
ever. much difficulty of breathing, increasing
debility, & loss of appetite, with nausea & vomiting
after taking food -

Oct: 4th The abdomen having become very much dis-
tended, I introduced the Trochar the 3^d time
between the pubes & navel & drew off 3 Gall
of bloody Serum - he became quite weaker, &
felt considerable cramp in his hands -
I compressed the abdomen with a broad
flannel bandage firmly, & altered the
course of medicines, giving him the Cort:
Cinnamon, Belonbo. & wine. with alkaliza
in great quantities, together with a powder
composed of 3 grs Digitalis & 5 grs Pulv Bos. morning,
noon & evening -

Oct 5th Feels much better - water continues
to drip from the last puncture -

" 6th Continues to feel better, strength increasing -
water stops running from puncture -
uricates more freely, walks about &
is quite well - abdomen falling
again -

7th Distention of abdomen increasing - discharge by
urine diminishing - continue the last prescription

8th Abdomen much distended & tense - appetite
diminished - strength decreasing - difficulty of
breathing - last medicine continued -

9th Abdomen hard, tense & full - no rest
last night - can scarcely make a full
inspiration - no appetite - medicine continued

10th Punctured again with trochar near the
last place & drew off 3 Gallons of pure transparent
Serum - gave much relief of breathing - no
cramp attended - directed the tonic bottles
increased one half -

11th Feels better to day - a very fine rash & prickly itching
about the eyes & forehead, face & hands -

12th Bitters Continued. compound of Colombo Bark Quapara. &
Serp^g viny^g - ^{Cal Tart} Grated a powder. compound of 4 grs Digitalis
5 grs Camphor. 20 of Qu Guaiac. & 5 or 6 grs of Bals Sassa

every morning & evening - the Bitters, half a wineglassful, with as
much wine. & taken Every 3 or 4 hours - when this last
prescription, his condition improves ^{Since the last puncturing} very much, his bowels
becoming free & regular. the urine increasing a quantity -
appetite & rest. very good. & the abdomen remains but
very little increased for several days -

15th Pains improved continued

17th Same treatment continued - Still improving

22^d Same treatment continued producing the same general
effects of strengthening the system - the abdomen filling
again though not so fast as formerly - some difficulty
of breathing -

25 - Abdomen fully distended - great difficulty of
breathing - diminished quantity of urine - increase
suppression of strength - Sallow countenance & poor
appetite with nausea - Punctured ^{with} the former
place. & drew off 3 Gals transparent water -
no unpleasant symptoms attended - relieved
the distress of breathing - ~~Advanced~~ the
former prescription - Gave - ter - in - die. a powder
compound of Digitalis. Camphor. Guaiac. Sassa - 5 grs
each - with 1 gr of opium. & 2 grs of Sassafras - pro, dose
Tome Bitters & wine continued as before -

Nov^r 1st Little or no favorable effects, observable
from the above prescription - Picking ~~from~~
sack box - Brought half the quantity
3 times a day - answered great measure
the vomiting vomiting -

Continued the wine & Tome Bitters -

2 Discontinued the powders - Abdomen fast
increasing -

9th Abdomen fully distended - former sym-
-toms recurring - Punctured with the
absorbent, & then introduced the trochar
exactly at the umbilicus - drew off 3 Gallons
yellowish serum - gave relief as usual -
Life a short candle in the situation
with a cork inserted -

10th - No benefit resulting from the short canals

remaining - puncture closed - Discontinued all
kind of medicine, & directed a pint of good
Sae page 24 Whiskey to be taken daily, in due quantity

Alex. Samala. St. Martin. San Martin 12
a Canadian Lad about
19 Years old, hardy, robust & healthy, was
accidentally shot, by the unlucky discharge
of a gun, on the 6th of June 1822.

The whole charge, consisting
of powder & duck shot, was received in the
left side ~~at~~ not more than 2 or 3 feet
distance from the muzzle of the piece, in a
posterior direction, obliquely forward & ante-
-ward, - carrying away by its force, the integ-
-uments more than the size of the palm of
a man's hand, - blowing off & fracturing the
6th rib, from about the middle anteriorly -
fracturing the 5th - Rupturing the lower portion
of the left lobe of the Lungs, - & perforating
the Stomach, by a Spicula of the rib, that
was blown through it - Lodging the charge
wounding fire & among the fractured ribs & lacerated
muscles & entanglements, & burning the clothes
& flesh to a crisp - I was called to him
immediately after the accident. - found the
a portion of the Lungs as large as a turkeys
egg protruding through the ^{external} wound, lacerated
& burnt, & below this another protrusion, resem-
-bling a portion of the Stomach, which at first
view, I could not believe possible to be
that organ in that situation, with the
Subject surviving - but on closer ex-
amination I found it to be actually the
Stomach - with a puncture in the protruding
portion large enough to receive my fore
finger, & through which a portion of his
food, that he had taken for breakfast,
had came out, & lodged among this
apparail - In this dilemma, I considered
any attempt to save life entirely useless - But as I had
been considered it a duty, to use every means
in my power to ~~save~~ ^{preserve} life when called to
administer relief, I proceeded to clean
the wound, & give it a superficial dressing
not believing it possible for him to survive
twenty minutes - On attempting to reduce
the protruding portions, I found the Lung was

1822 July

prevented from returning by the sharp point of the fractured rib over which its membrane had sought to pass - but by raising up the lung with the point of ~~the~~ four fingers of my left hand I clipped off with the ~~point~~ of my penknife, in my right hand, the sharp ~~point~~ ^{point} of the rib, which enabled me to return the lung into the cavity of the Thorax, but could not return it there ~~when~~ ⁱⁿ the case of ~~the~~ ^{the} ~~lung~~ ^{lung}, which ~~then~~ were ~~constant~~ ^{constant} frequent.

After giving the wound a superficial dressing the patient was moved to a more convenient place ~~where~~ in about an hour I attended to dressing the wound more thoroughly - not supposing it possible for him to survive the operation of extracting the fractured spicula of bones & other extraneous substances, but to the utter astonishment of every one, he bore it without a struggle ~~without~~ ^{without} sinking, -

After taking away the fragments of ribs, old flannel, wool & the principal charge of Shat, all drawn together under the skin & into the muscle & replacing the lung ^{& stomach} as much as practicable, I applied to the wound the Carbonated fermenting poultice, composed of flour, hot water, charcoal & yeast - Changing once every 8, 10 or 12 hours, according to the quick or slow process of fermentation, keeping the parts around constantly bathed with a solution of Muriate of ammonia, in Spirits & vinegar - this was done with an intention to excite ^{local} reaction as soon as possible upon the surface, & occasion sloughing of Contused lacerated & burnt muscles & integuments, which had the desired effect in less than 84 hours with the assistance of the Camphorated Aq: Amm: Acet: given internally in liberal quantities -

Under the above treatment a ~~superficial~~ ^{lively} reaction commenced in about 24 hours, accompanied with strong arterial action & high inflammatory symptoms of the system generally - more especially of violent pneumonia, & inflammation of the Lungs - with great ~~disposition~~ ^{distribution} of cough - at the commencement of these symptoms, I opened a vein & took 12 or 14 ℥ of blood from the arm - gave a milk diet.

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The bleeding abated the action & gave relief -
The cath^e had no effect - having ^{ceased} ~~ceased~~ from
the stomach ~~through~~ the wound, - I continued the
Comp^d Agⁱ Amⁱ acetat^a, every hour for the first
72 - internally & the Carbonated Pontien, ~~externally~~
~~externally~~ & wash ~~externally~~, omitting the Muric^a -

The fever continued for 8 or 10 days - running
into the Typhoid Type - & the wound becoming un-
healed, - nothing passed his bowels, after the 3^d
day & they became impassive & inactive & scarcely
to be ~~acted upon~~ ^{excited} by stimulating injections - from
the 2^d day till the 16th ~~nothing~~ ^{nothing} there was no
motion from his bowels at all - every thing he
took into his stomach, was either absorbed or, made
its exit at the wound ~~externally~~ -

About the 5th day a partial sloughing took
place in the wound & the febrile symptoms abated
- the protruding portion of the Lungs, & the small
curvated piece of the stomach also sloughed off
& left the puncture of the stomach plain to be
seen & as large enough to admit any fore finger
its whole length ^{directly into the cavity of the stomach} - & a passage into the cavity of
the Thorax half as large as my fist - exposing
to plain view the action of the left lobe of
the Lungs - & admitting at every respiration
the free escape of air, ~~blowing~~ ^{blowing} minus. forth -

About the 10th day a more extensive
sloughing took place - the febrile symptoms all
subsided, & the whole surface of the wound
put on a healthy granulating appearance,
the fracture of the ribs commenced exfoliating -
& nature ^{seem'd} kindly performing what
human ~~science~~ ^{fore-sight} viewed as hopeless & profuse
I still might calculate upon with dubious odds -

All that entered his stomach, came out
again at the wound for 12 or 15 days - & the
only means of sustaining him was by nutritious
injection given ~~per anum~~ - untill all was
sloughed & compressed ^{& adhesion} ~~could be~~ ^{thoroughly} applied to
stop the orifice in the stomach, & retain
the food & drink -

A lucky, & perhaps the only circumstance, to which his miraculous survival can be attributed, was, the protrusion of the Stomach, instead of falling back into the cavity of the abdomen, to its natural position, adhered by the first intention, to the intercostal muscles, & by those means retained the orifice in the wounded Stomach, in contact with the external wound, & offered a free passage out & a fair opportunity to apply the dressings -

The Carbon position was continued for 6 or 8 days constantly, until the Sloughing was complete & the granulating process established, - they were after wards, occasionally applied as a corrective when the wound was becoming ill conditioned, or enlarged.

The aq. Am. Acetate, was continued for several weeks, in proportion to the febrile symptoms, or ~~presence~~ ^{tendency of the} febrile condition of the wound.

No Sickne, or peculiar irritability of the Stomach was ever experienced, not even nausea, during the whole time. & after 3 weeks, the appetite became regular & healthy, the alvine evacuations became regular - & all the functions of the system seemed as regular & healthy as in perfect health, excepting the wounded parts -

Cicatrization & contraction of the external wound commenced about the 5th week, & continued gradually & almost unperceptibly, & the Stomach at the wounded part, became more & more firmly attached to the intercostals, by its external coats, but should not the less disposition to close its puncture by granulations, ^{forming from its own lacerated coats,} any more than is in the Anus, or mouth - by applying the

Nitrate of Silver to the edges of the wounded mouth of the Stomach. I could ~~proceed~~ extend the attachment, by its external & cellular coats, more firmly to the intercostals & external integument, which seemed rather to enlarge, than contract the orifice in the Stomach, bringing it more & more external as its adhesions to the external wound increased, resembling in its appearance (all but the Sphincter) a natural anus - ^{with a slight protrusion} every time I removed the dressing & the contents of the Stomach, would run out freely

18
in proportion to the quantity recently received, - if the Stomach happened to be empty when I dropped it a prolapsus, & partial inversion of the Stomach would follow the removal of the Compresses of lint from the wound, unless prevented by the application of my thumb, finger, or something else, to its orifice - while the dressings were reapplying - Frequently, upon removing the dressings, when they had become looser than usual by some derangement of the bandages, the Stomach would be inverted & the inner coats protruded, through the orifice, large as a hen's egg - no difficulty occurred in reducing it, - gently pressing with the thumb or finger upon the protruded portion, would quickly return it to its place, without giving the least pain & almost without sensation - Nitrate of Silver, applied to the lips of the wound & upon the inner coats of the Stomach so as to produce sloughing, ~~caused~~ less sensation than when applied to the most common fungus, or ulcer upon the surface of the body or limbs, a conclusive evidence in my opinion that the Stomach is not so exquisitely sensitive an organ as is represented by Anatomists & Physiologists in general -

About the 6th or 7th week, exfoliations from the fractured ribs, & the Separations of the ribs from their costalaginous ends, began to take place - Spiculas of bones & fragments of old cloth & shrapnel also were working out from among the muscles & integuments - The 6th rib, that was most injured & blown off entirely in the first place, was also abraded of its periosteum for about 3 inches back of the fracture, towards the Spine & became carious at its fractured extremity. So that I was obliged to amputate it about midway between Sternum & Spine - which I did by dissecting around, ^{the rib} separating & retracing the intercostals, to the same portion of the rib: then sawing it off by introducing between the ribs a very narrow - short saw, which I had made for the occasion - In this operation I succeeded admirably, beyond my most sanguine expectations, taking the rib off smoothly, without injuring any parts, whatever.

The granulations shot immediately out & formed soundly over the amputated end - about half of the inferior edge of the other rib exfoliated, longitudinally, from about the center to the Sternum & then the healthy granulations formed soundly over the other part. -

After removing all the effusions & extraneous substances, that were to be found about the wound, my next object was to contract the external wound & close up the punctum in the Stomach if practicable, which I attempted by drawing the edges of the wound as near together, as I could by adhesive Straps, laid on in a radiated form, the circumference of the external wound being at least 12 or 14 inches - the orifice in the Stomach about in the centre - To retain the food & drink, as much as possible I kept to the orifice a firm compress of lint, fitted to the shape & size of the punctum, & confined by the Straps - under these dressings & management, cicatrization went on rapidly - his health improving & all other functions of system regular - Digestion was a completely performed, as in the most healthy person in the vicinity - (I could even see it go on every time I exposed the wound) - I kept the granulating Surface duly stimulated, by applying, sometimes, Circoon Polv. Sometimes Muscivorus Rubi: & sometimes Vit: Siliu, as the State of the granulations indicated -

After trying every means within my power, to close the punctum of the Stomach, by exciting adhesion between the lips of the wound, of its own proper coats, without the least appearance of success, I gave over trying, convinced that the Stomach, of itself will not close a punctum in its coats by granulations - & the only attraction left, seemed to be, to draw the external wound together as fast as cicatrization would permit, & contracting as much as possible the orifice in the Stomach, & make the granulations from the internal muscles & integuments, Sheet across & form over it close it that way - but to this method there seemed an insuperable difficulty - for unless there be kept constantly upon the orifice, a firm plug of lint, compressed, all the contents of the Stomach flow out & the patient must die for want of aliment - & this Lint, in consequence, prevented the granulations from forming across -

The lacerated portion of the Lungs. Slough off & deglute away, leaving a ^{Suppurating} Solfair in the lobe of the Lungs. Large as the concave Surface of a tea cup from which continued to issue much purulent matter

18

for 2 or 3 months. untill it became completely filled up with healthy granulations & cicatrized externally - with the lower portion of the left Lobe firmly adhering to the *Sin - Pleura costalis*

Four months after the injury. an abscess formed about 2 inches below the wound. anteriorly, over the cartilaginous ends of the 1st & 2^d false ribs. very painful & extremely sore producing a violent Symptomatic flow. checking the process of cicatrization, rendering the granulation languid & pale, & the wound ill-conditioned & unfavorable to the prospects of recovery - After applying emolient poultices for several days. - the swelling pointed externally, & I punctured & laid it open with the bistoury & director for about 2 or 3 inches. - It discharged copiously, very fetid purulent matter for the first 2 days - on the 3^d I could feel with the probe, a small extraneous substance, which, in the course of 3 or 4 days, by the use of the soap plaster & compresses, proved to be a shot & a small portion of the wood - after the exit of these I could introduce a common pocket-case Silver probe, nearly its whole length, in the ^{longitudinal} direction of the course of the ribs - & a great soreness & pain, extended from the opening in the abscess upon the track of the cartilaginous ends of the false ribs - to the spine - with a copious discharge from a long fistulous sinus - In the course of about 5 or 6 days the cartilaginous end of a rib, about an inch long soon after this followed some small spicula of bone - the discharge soreness & inflammation continued, in the same direction - in about 6 or 7 days longer came away another ^{similar} cartilage, about an inch & a half long & in about the same length of time another 2 inches & so continue to come away every 5 or 6 days, increasing in length in about the same proportion, untill five had made their exit ^{through} the same passage, the last was about 3 inches & seemed to be separated from the last false rib, as the soreness terminated at that point, & after which the sinus commenced closing, the discharge diminished, & the soreness subsided from that point forward, with regular progression - The discharge, pain & irritation, during the 4 or 5 weeks, all those cartilages were working out, reduced the strength of the patient, very much, induced a general febrile habit, & protracted & sloped the healthy healing process of the

of the original wound - directly after the exit
 of the last mentioned cartilage, an inflammation appeared
 at the lower end of the Sternum, about over the cruciform
 cartilage, extending from the anterior end of the original
 wound, extremely irritable & very painful - by the use of
 emollient poultices, a few days, it terminated, in a large
 Abscess, which I punctured & laid open an inch or two
 with the bistoury, about half a pint of very offensive
 matter discharged from this & in a few days followed
 a cartilaginous substance about 3 inches long, after
 which the inflammation subsided - in a day or two
 after this came away another small cartilage, & the discharge
 abated - To support the patient's strength under all these
 debilitating incidents, I gave him the dilute muriatic
 acid & wine, which very much improved his health
 & increased his strength -

It is now going on the 9th month since the injury
 was received - the orifice in the stomach is still visible
 & but little contracted - the integuments are all
 cicatrized & smooth to within the circumference of
 a half eagle, immediately around the wound in the
 stomach - his health daily improving - his spirits good -
 his appetite regular - his sleep refreshing & all
 the functions of the system natural & healthy -
 Can the puncture of the stomach be successfully
 closed by mechanical means until the granulations
 have time to form over & close across it? -

Dec. 2. 1822

Dec. 3^d - ometha dripping wound myself though dripped by
 the nurse -

Dec. 4th on dripping to day, found, a portion of the new
 cutis, vera, at the anterior extremity of the cicatrix
 raised up & separated from the pectoral muscle
 by the matter forced back, from the sinus above
 in consequence of an obstruction in its usual
 outlet - on puncturing & laying it open about
 an inch & half - found a small piece of cartilage
 loose & took it away - & a large piece which
 seemed to be separating from the Sternum

Dec. 5th dripped to day - found it in better condition than
 yesterday - inflammation & suppuration subsiding - discharge
 less -

Dec 6 dripped to day - still doing well -

" 7 dripped - still improving -

" 8 " " "

- Decemr. 9th Dressed - original wound diminishing - Sinuses discharge less - condition better -
- " 10 Dressed - condition of the wound, sinuses &c. improving - keep them dressed with cinchona pulv dry lint & adhesive straps - bathing the parts around with Camphorated Spirit Water - & Continue the muratic acid -

Decemr. 11th Dressed - improving in healthy condition

- " 12 Dressed - sores opening in circumference & filling up with granulations - all healthy except the one in front of sternum, which seems to have something extraneous behind yet a piece of cartilage no doubt
- " 13 Dressed - to facilitate the closing of the puncture of the stomach. & remove the impediments to the granulations, which the constant pressure of compresses necessary to retain the food in the stomach from day to day. - I made fast a piece of lint to a ligature, just large enough to pass through the opening into the stomach - & then with the end of the probe, pushed it the inside, & suspended by the ligature. drew it up against the inner of opening. so as to stop the food from flowing out - upon the inner side & by this means supporting the granulations from the edges of the wound to contract nearer each other around the small ligature -
- 14 Dressed in the same manner as yesterday
- 15 Dressed as yesterday excepting the introduction of a small silver cannula. introduced inside of the ligature & above - & lint -
- 16 Dressed as yesterday - find the cannula will not answer the purpose. so will as the plug of lint. suspended by the string

Dec: 17-

Removed the ²¹ Canula - & dropped as usual
~~from the 14 to~~

" 22

The above manner of dressing continued
without any variation since the 17th -
Continue the wash around the wound
of Camphorated Spirit, water vinegar
& injecting frequently into the Sinuses
the same wash more diluted -

23

~~Changed~~ added to the Muriatic Acid, Filate,
about one third of the tincture of Opopotion
to be taken 3 times a day, in doses of
half a teaspoonful -

The discharge still purulent & healthy
& diminishing in quantity -
The onflow in the Stomach remaining about
the same as it has been for 3 months, tho
the wound of the muscles continues to
Contract & are fast cicatrizing upon
the Stomach - the food still makes
its exit whenever the clamping and
removed - -

1829

Jan 3

Dressed every day since the 23^d last mo.
Condition continuing nearly the same,
until within 3 or 4 days last past,
an inflammatory redness appeared around
the ~~anterior~~ ^{lower} part of the Stomach, with
considerable heat & some swelling -
& to day appeared another cartilage
which I took out - about an inch
2 half long -

" 6

Swelling & inflammation subsiding, took away
at the opening of the Stomach, another cartilage
2 1/2 inch long -

" 10

Since extracting the last cartilage, the Sinus has closed
& the discharge ceased, excepting a very little from the
Stomach end, where some small pieces of caseous carti-
lage still remain undetached & put out a small
discharge -

" 19

Small piece of cartilage came from the ulcer
on the Stomach - Other Sinuses all closed - onflow
in the Stomach about the same as ever -

Feb 1st 1823 Dressed every day. since last date - all the ulcers & sinuses closed sound. the patient in perfect health - the orifice in the stomach in Scars Quo -

Mar 10th Dressed daily since last date - much in the same condition - orifice in the stomach a little diminished -

Mar 25 Dressed daily since last date - no alteration in condition - orifice in stomach the same

Apr 1st Dressed daily - continues in same condition - General health, good

May 30th Continued daily dressings as usual since last date, no essential ~~alteration~~ ^{change} in the wound. - health good until within a few days past. - having complain'd of Pain in the head, some nausea, & some irregularity of the bowels, I gave a cathartic of Rhin & Sulphur, administered, it is presumed, & never. medicine was before, administered to man since the creation of the world! - to wit, - by pouring it in through the ribs at the puncture into the stomach!! -

I administered it in the form of dry powder - it occasion'd a slight nausea in less than 10 minutes. & operated briskly as a cath. in less than two hours -

May 31st 1823 Feels relieved by the operation of the medicine given yesterday - Administered in the same manner to day. 153 Manna - 1/3 Magnesia -

The County refusing any further assistance to the patient (who has become a pauper from his misfortune) I took him into my own family, from pure motives of charity, & a disposition to save his life or at least to make him comfortable - where he has continued, improving in health & condition, & is now able to perform any kind of labour from the whetting of a stick to the chopping

of Legg. I is as healthy active & strong
 as he ever was in his life, or any man
 in Markham, with the exception of the
 stomach. in much the same condition as
 it was at the last medical dose, —

June 1824

at regular intervals — has as much effect as anything else except puncturing —

Nov.

11. 12 + 13th

Continues much the same as before after the operations — Abdomen feeling again rather faster than before

14th

Abdomen more distended & tense than ever — much difficulty of breathing & urinating — gave 5 grs Nitre & Ether. half a table spoonful ea. way 2 hours — promoted a free passage of urine in the course of 3 or 4 hours

15th

Punctured with Trochar at the umbilicus — drew off 3 1/2 Gls. water — nearly clear — no unpleasant symptoms attended — gave great relief as usual —

23^d

Punctured again with Trochar at the umbilicus — took 3 Gls. clear serum — gave greater relief than formerly — not the least unpleasant symptoms occurred — appears in better condition than he has since first came under my care — Oedema Saburra considerably from the lower extremities — appetite good — urinates more freely — rests very well at night — Bowels quite regular —

Prescription — of 3 gills pure whiskey — & nutritious Soup & diet continued daily —

The water continues dropping from the puncture of the 15th — for 3 or 4 days, moderately —

Dec^r 1st

Punctured at the umbilicus — took away 3 1/2 Gls. pure lymph — the effect as usual — left the canula in the puncture, fixed & secured with Corks —

" 2^d

12 O'clk. M. — Saw the patient — he has drawn the cork & let off 1 1/2 Gls. since the last operation — 5 O'clk. last evening — at 2 different times — at 6 A. M. drew 1 Gl. — & at 10. A. M. half a Gallon more — added Carb. Soda to his daily potations —

"

7th

Punctured at the umbilicus — took off 2 1/2 Gls. — Put him upon the use of a pill composed of 1/8 grs. Mercurial Hydrag. 1/8 grs. Mercurial Ammonia — 1/4 grs. Opium. & 3 grs. Scilla — ter in die —

"

To see the operation of the pills — even after diminishing their qty 2/3 — they still enervally

15 Dec^r

(25)

Punctured at umbilicus - drew off 2 1/2 Gals
- has been taking for 5 or 6 days - a pill consist
of 1/2 gr opii - 1/2 gr camphor. 1 gr nitro -
morning + evening -

16th The medicine has no other effect than to
moderate a caliginous diarrhoea, that has,
troubled him for 10 or 15 days - Complain
of a palpitation of the heart - & pain in the
left side - dyspnea & unusual debility -

17. Symptoms continue - debility increasing -

18. Complaints of great oppression of the chest
frequent turns of syncope - but moderate
accumulation of water in the abdomen
- Died at 8 o'clock this evening -

Happy are they that died in the poor-house
of this place - & three times doubly happy are
the people of the Borough, who reluctantly
contribute to their wretched support while
living upon the public charity!!! -

Now I return to the necessity of creating upon
the charity of this Borough, I would commit
suicide without scruple or hesitation, from
principles of justice to poor human nature, from
no other motive than to rescue her from the
approbrious ignominy, of suffering a fellow being
to perish in distress for want of comfortable
& timely assistance!!!

It is a truth, abhorrent to
human nature, & too melancholy to be recorded
that, in my opinion, the public officers of the
Borough, whose duty it is to provide relief for
the distressed, would sooner pay a round sum
for the extinction of life of a pauper, than
to make an exertion or take any trouble to
procure the necessary assistance -

"May the Lord deliver us from evil"
than which a greater could never befall a
human being, than to become dependent upon
the charity & benevolence of the people for relief
in time of distress - for this is the Kingdom of Satan
- the power of Tyranny - the Remembrance of Turks, & the
Glory of Heathens! - - Amen! & Amen!!

Nov: 27th 1824

26

St Ignace, a half breed Indian, about 65 years old, has for some ~~2~~ months past, had venereal ulcers about the glands pines, within the prepuce, with ~~a~~ phymosis to such a degree as not to be able to retract it for 3 months -

The pines is much swollen & discharges much purulent matter from the ulcers -

An indurated Landmark extends to the pubis, & very tender - no irritation on passing urine, but great pain & distress after he has done urinating - little or no discharge from the urethra - General Health good - Has been employed in catching fish for two months past, ^{constantly} exposed to wet & cold constantly -

Treatment

Ordered a fermenting carbonated poultice applied to the penis & put him upon the use of the oxymercure pill, compound of aa of oxymercure of Hydrarg. & Ammonia. $\frac{1}{4}$ of grain each - 3 per diem - morning, noon & night -

Nov 30th

Carbon poultice has been continued since 27th - Swelling abated - induration less - discharge more copious - ~~Continued pills~~

treat^t

Pills continued - omit the poultice, & apply the Ungt. Hydrarg. & poultice to the indurated parts - & insert it between the prepuce & glands pines upon the ulcers with a soft feather - Keep the ulcers washed with castile soap & water morning & evening, & inject into the urethra & under the prepuce a solution of Act. of Lead. & water, & keep the pines enveloped in a cloth wet the same -

Dec^r 3^d -

Improving - Continue same treatment

" 6

Treatment continued - appears improving

" 10

all appears better except the swelling & hardness of the penis about the pubis - which continues indurated - an unaccountable discharge of purulent matter ~~discharges~~ from under the prepuce - phymosis diminishing, but not yet enough to admit of an entire retraction -

Dec^r 14

Similar the prepuce retracted the skin, & found a venereal ulcer, extending from the glands pines for 4 inches directly up the center of

of the carnosus pines to the rim of the belly
into which I introduced a common gun Elastic
catheter. I syringed out a great quantity of
vitreous matter - I first injected tepid water &
then a very weak dilute mixture of Nitric
Acid & Enchone -

Decr 15 - appears improving - Continue the former
treatment. I drop swab with the above
mixture Nitric matter -

Decr 17th Improved - appears improving - continued same
treatment -

18th Improved - looks much better - added tinct.
Myrrh & Camph. to wash -

After continuing the above treatment for 10 or 12
days with little or no alteration, in the condition
of the parts - excepting an increase of the purulent discharge
& formation of sinners extending farther up the
carnous substance of the pines - I introduced the
probe pointed bistoury into the fistulous opening ^{solidified} about
the upper part of the
2 inches & a half - introduced a plug of lint to keep
the passage open & to pass with saturated wash &
lint - desiring the plug to be withdrawn if it
became very painful from confinement of
matter - The plug was withdrawn as evening
& a copious discharge followed - I dropped
it the next day - I found I could with much
more ease dislodge the matter from the
sinners - & by injecting soap water could
pretty thoroughly cleanse them - continued
to keep the opening from closing by ~~the~~
by plugs of lint - The difficulty now
was in compressing the sinous parts, not
being able to apply compresses & bandage
to the parts in such a manner as to have
any effect - but by keeping it continually
cleanse out by injections &c. it has
put in an improving appearance.

Jan 12th 1825

1883-
Dec: 9th

29

Old Jack Smith - fell & broke his thigh
midway between hip & knee - left him -

Nov: 27. 1884

St Luke, a Canadian, applied to me
for relief in a case of gonorrhoea, venereal
of the or 4 weeks standing, - at this time
the penis was much swollen, with excoriation
& numerous small ulcers around the glands penis.
under the prepuce, with some discharge from
the urethra, & much pain & soreness -

He has been, much exposed to wet, cold
& fatigue, for 5 or 6 weeks past. He was
also troubled with rheumatic pains & general
indisposition -

Treatment - vs: 16. or 203 - Cal: & Sol: 12 & 10 - 9th -
Carbonate of Potash by mouth at night -
Solution of Acetic of Lead. for injection &
external wash - Light diet - no stimulants -

Nov: 30th

- Improving - discontinued poultice, rest of
the treatment continued, with the addition of
a little Calomel sprinkled upon the small
ulcers under the prepuce -

Dec: 3

Improving rapidly - very little discharge from
the urethra - excoriation nearly healed -

" 12

Complains of more pain, seated just
back & beneath the glands penis - passes a little
blood of the urinating - I directed him
to inject morning & evening a mixture of
cal & Phos & Sweet oil -

14.

Complains little or none of the gonorrhoea

15.

Is quite well of the gonorrhoea - but
has become, within a few days quite
anasarcous - his legs swollen, both much
& the cellular texture distended to the thighs

17th

The penis & scrotum distended to 5 times their
natural size - Punctured with very
bleeding lancet. the penis, scrotum, &
lower extremities, were drained off
very freely & induced the destruction of
whole system, & removed the disposition that
had troubled him since yesterday

Dec: 18

35

Applied flannel rollers & friction to the legs & thighs - gave a brisk cath of Cal: & Rhin. - which operated powerfully & discharged great quantities of yellow water. In Anus. with copious black fecal stools, & gave great relief.

19

Continued the friction & band up. & put him upon the use of Siga. com-
-lined with an infusion of Guaiac & Colombo. half a wine glass full 3 or 4 times a day. mixed with equal quantities of Whiskey - this last preparation caused a profuse discharge of urine & reduced the anasarcaous swelling almost entirely -

20

Same treatment continued -

21

Much improved in general condition. but complains of pain in the right foot & ankle & right leg. Some Swollen. Fluids -

22

Right foot & ankle highly inflamed extremely tender, & enormously swollen, from his foot to his hip - pain most excruciating -

Treat: Applied the Cornuine poultice to foot & ankle & Salverva wash above - gave anodynes to allay extreme pains -

23

Inflammation of foot & ankle increased to Sphacelation. a black or brown spot large as half a dollar. appearing over the metatarsal bone of the 2 & 3^d toes -

Treat: applied a blister immediately over the Sphacelated part. & continued the Cornuine poultice - gave him internally the infusion of Root. Colombo & Sal Bar & the decoction of Iron & Pulv. Cinch. in half brandy dose every 4 hours -

a profuse diarrhoea attacked him to day.
 I reduced him very low - checked by
 lay down of Landanum -
 Sphaculation continuing to the ankle. -
 Continue the poultice -

24th. Same run. checked. condition better
 Since the Sphaculation is extending
 upon the top of the foot. I found
 the paronychiae & adhesions. completely
 destroyed by suppurative inflammation
 from the toes to the ankle joint

25 - Discontinue off the dead skin &
 dressed with dry dust & continued
 the poultice -

26 Continued the same treatment

27. Discontinue the poultice & applied
 the compresses & flannel roller. Keeping
 all wet with a mixture of Whiskey and
 vinegar -

28. Condition of the foot much better
 Continue as yesterday -

29 - Continue improving -

1825 Aug 10th After having dissected away the
 skin & cellular substance nearly the
 over the whole of the top of the foot
 which had been sphaculated, the it is
 now granulating & looks well -

He continued convalescent for several weeks.
 His foot was nearly healed, when, as is
 very common & almost unavoidable, he ceased
 to take care of it by eating to much, & died
 in about 36 hours -

Sherry class of
practice - Sea water
St Andrew - Hamilton
R - R -

II